

Datasheet for ABIN7275822

VLDLR Protein (AA 28-797) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	VLDLR
Protein Characteristics:	AA 28-797
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VLDLR protein is labelled with His tag.

Product Details

Purpose:	Human VLDLR Protein
Sequence:	Gly28-Ser797
Characteristics:	Recombinant Human VLDLR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly28-Ser797.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 9.78 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	VLDLR
Alternative Name:	VLDLR (VLDLR Products)
Background:	VLDLR cerebellar hypoplasia (VLDLR-CH) is characterized by non-progressive congenital ataxia that is predominantly truncal and results in delayed ambulation, moderate-to-profound intellectual disability, dysarthria, strabismus, and seizures.VLDLR-CH is inherited in an autosomal recessive manner. Carrier testing for at-risk relatives, prenatal testing for a pregnancy at increased risk and preimplantation genetic testing are possible when the pathogenic variants in a family are known.
Molecular Weight:	85.9 kDa. Due to glycosylation, the protein migrates to 115-125 kDa based on Tris-Bis PAGE result.
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

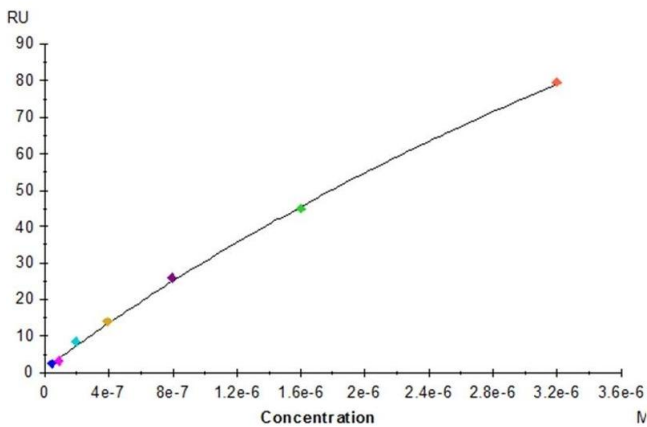
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

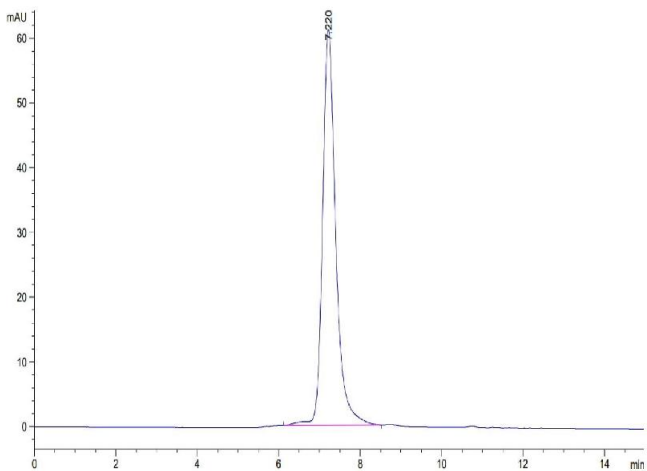
Surface Plasmon Resonance

Image 1. Human VLDLR, His Tag immobilized on CM5 Chip can bind Human PCSK9, His Tag with an affinity constant of 9.78 μ M as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human VLDLR is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human VLDLR on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

